



OIPF

RAW SEQUENCE LISTING  
 PATENT APPLICATION: US/10/015,328

DATE: 06/04/2002  
 TIME: 12:45:05

Input Set : A:\EP.txt  
 Output Set: N:\CRF3\06042002\J015328.raw

ENTERED

3 <110> APPLICANT: Bristol-Myers Squibb Company  
 4 Han, Amy Qi  
 5 Glunz, Peter W.  
 7 <120> TITLE OF INVENTION: Imidazolidinones and Their Related Derivatives as Hepatitis  
 C Virus NS3  
 8 Protease Inhibitors  
 10 <130> FILE REFERENCE: PH-7203  
 12 <140> CURRENT APPLICATION NUMBER: US 10/015,328  
 13 <141> CURRENT FILING DATE: 2001-12-12  
 15 <150> PRIOR APPLICATION NUMBER: US 60/255,168  
 16 <151> PRIOR FILING DATE: 2000-12-13  
 18 <160> NUMBER OF SEQ ID NOS: 11  
 20 <170> SOFTWARE: PatentIn version 3.1  
 22 <210> SEQ ID NO: 1  
 23 <211> LENGTH: 5  
 24 <212> TYPE: PRT  
 25 <213> ORGANISM: Artificial Sequence  
 27 <220> FEATURE:  
 28 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
 pept  
 29 ide synthesizer using readily available materials well known to o  
 30 rdinarily skilled artisans  
 32 <400> SEQUENCE: 1  
 34 Met Gly Ala Gln His  
 35 1 5  
 38 <210> SEQ ID NO: 2  
 39 <211> LENGTH: 15  
 40 <212> TYPE: PRT  
 41 <213> ORGANISM: Artificial Sequence  
 43 <220> FEATURE:  
 44 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
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 45 ide synthesizer using readily available materials well known to o  
 46 rdinarily skilled artisans  
 48 <400> SEQUENCE: 2  
 50 Met Arg Gly Ser His His His His His Met Gly Ala Gln His  
 51 1 5 10 15  
 54 <210> SEQ ID NO: 3  
 55 <211> LENGTH: 9  
 56 <212> TYPE: PRT  
 57 <213> ORGANISM: Artificial Sequence  
 59 <220> FEATURE:  
 60 <223> OTHER INFORMATION: Peptide ester substrate synthesized by methods disclosed in  
 Talia

61 ni et al., Anal. Biochem., 240, 60-67, 1996.  
63 <220> FEATURE:  
64 <221> NAME/KEY: ACETYLTATION

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65 <222> LOCATION: (1)..(1)  
66 <223> OTHER INFORMATION: acetyl group  
69 <220> FEATURE:  
70 <221> NAME/KEY: MOD\_RES  
71 <222> LOCATION: (3)..(3)  
72 <223> OTHER INFORMATION: Aspartic acid modified with EDANS, 5-[(2'-aminoethyl)amino]  
naphth  
73 ylene sulfonic acid  
76 <220> FEATURE:  
77 <221> NAME/KEY: MISC\_FEATURE  
78 <222> LOCATION: (6)..(6)  
79 <223> OTHER INFORMATION: 2-amino butyric acid bonded through an ester group  
82 <220> FEATURE:  
83 <221> NAME/KEY: MOD\_RES  
84 <222> LOCATION: (9)..(9)  
85 <223> OTHER INFORMATION: Lysine modified by Dabcyl; 4-[[4'(dimethylamino)phenyl]azo]  
benzoi  
86 c acid  
89 <400> SEQUENCE: 3  
91 Asp Glu Asp Glu Glu Xaa Ala Ser Lys  
92 1 5  
95 <210> SEQ ID NO: 4  
96 <211> LENGTH: 4  
97 <212> TYPE: PRT  
98 <213> ORGANISM: Artificial Sequence  
100 <220> FEATURE:  
101 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
pept  
102 ide synthesizer using readily available materials well known to o  
103 rdinarily skilled artisans  
105 <220> FEATURE:  
106 <221> NAME/KEY: ACETYLATION  
107 <222> LOCATION: (1)..(1)  
108 <223> OTHER INFORMATION: Acetylation  
111 <220> FEATURE:  
112 <221> NAME/KEY: AMIDATION  
113 <222> LOCATION: (4)..(4)  
114 <223> OTHER INFORMATION: para-nitroaniline  
117 <400> SEQUENCE: 4  
119 Glu Glu Ala Cys  
120 1  
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124 <211> LENGTH: 6  
125 <212> TYPE: PRT  
126 <213> ORGANISM: Artificial Sequence  
128 <220> FEATURE:  
129 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
131 <220> FEATURE:  
132 <221> NAME/KEY: MISC\_FEATURE  
133 <222> LOCATION: (6)..(6)  
134 <223> OTHER INFORMATION: Boro-allylglycine  
137 <400> SEQUENCE: 5

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 140 1 5  
 143 <210> SEQ ID NO: 6  
 144 <211> LENGTH: 23  
 145 <212> TYPE: PRT  
 146 <213> ORGANISM: Artificial Sequence  
 148 <220> FEATURE:  
 149 <223> OTHER INFORMATION: The synthesis of this peptide may be performed on an ABI 43A  
 pept  
 150 ide synthesizer using readily available materials well known to o  
 151 rdinarily skilled artisans  
 153 <400> SEQUENCE: 6  
 155 Lys Lys Gly Ser Val Val Ile Val Gly Arg Ile Val Leu Ser Gly Lys  
 156 1 5 10 15  
 159 Pro Ala Ile Ile Pro Lys Lys  
 160 20  
 163 <210> SEQ ID NO: 7  
 164 <211> LENGTH: 6  
 165 <212> TYPE: PRT  
 166 <213> ORGANISM: Artificial Sequence  
 168 <220> FEATURE:  
 169 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
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 171 <220> FEATURE:  
 172 <221> NAME/KEY: MISC\_FEATURE  
 173 <222> LOCATION: (6)..(6)  
 174 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester  
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 180 1 5  
 183 <210> SEQ ID NO: 8  
 184 <211> LENGTH: 5  
 185 <212> TYPE: PRT  
 186 <213> ORGANISM: Artificial Sequence  
 188 <220> FEATURE:  
 189 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
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 191 <220> FEATURE:  
 192 <221> NAME/KEY: MOD\_RES  
 193 <222> LOCATION: (1)..(1)  
 194 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl  
 195 Delta-Carboxy Ester: t-Butyl  
 198 <220> FEATURE:  
 199 <221> NAME/KEY: MOD\_RES  
 200 <222> LOCATION: (2)..(2)  
 201 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl  
 204 <400> SEQUENCE: 8  
 206 Asp Glu Val Val Pro  
 207 1 5  
 210 <210> SEQ ID NO: 9  
 211 <211> LENGTH: 4  
 212 <212> TYPE: PRT

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213 <213> ORGANISM: Artificial Sequence  
215 <220> FEATURE:  
216 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
218 <220> FEATURE:  
219 <221> NAME/KEY: MOD\_RES  
220 <222> LOCATION: (1)..(1)  
221 <223> OTHER INFORMATION: N-terminal Protecting Group: benzyloxycarbonyl  
222     Gamma-Carboxy Ester: t-Butyl  
225 <220> FEATURE:  
226 <221> NAME/KEY: MOD\_RES  
227 <222> LOCATION: (4)..(4)  
228 <223> OTHER INFORMATION: Benzyl Esterfication  
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233 Glu Val Val Pro  
234 1  
237 <210> SEQ ID NO: 10  
238 <211> LENGTH: 4  
239 <212> TYPE: PRT  
240 <213> ORGANISM: Artificial Sequence  
242 <220> FEATURE:  
243 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
245 <220> FEATURE:  
246 <221> NAME/KEY: MOD\_RES  
247 <222> LOCATION: (1)..(1)  
248 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl  
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253 Glu Val Val Pro  
254 1  
257 <210> SEQ ID NO: 11  
258 <211> LENGTH: 6  
259 <212> TYPE: PRT  
260 <213> ORGANISM: Artificial Sequence  
262 <220> FEATURE:  
263 <223> OTHER INFORMATION: Synthesized by standard organic chemistry laboratory  
methods.  
265 <220> FEATURE:  
266 <221> NAME/KEY: MOD\_RES  
267 <222> LOCATION: (1)..(1)  
268 <223> OTHER INFORMATION: N-terminal Protecting Group: t-Butoxycarbonyl  
269     Delta-Carboxy Ester: t-Butyl  
272 <220> FEATURE:  
273 <221> NAME/KEY: MOD\_RES  
274 <222> LOCATION: (2)..(2)  
275 <223> OTHER INFORMATION: Gamma-Carboxy Ester: t-Butyl  
278 <220> FEATURE:  
279 <221> NAME/KEY: MISC\_FEATURE  
280 <222> LOCATION: (6)..(6)  
281 <223> OTHER INFORMATION: Boro-allylglycine pinanediol ester  
284 <400> SEQUENCE: 11  
WCA 286 Asp Glu Val Val Pro Xaa

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RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/015,328

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TIME: 12:45:06

Input Set : A:\EP.txt  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; Xaa Pos. 6  
Seq#:5; Xaa Pos. 6  
Seq#:7; Xaa Pos. 6  
Seq#:11; Xaa Pos. 6